



PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Susan Lyons *et al.*

CPA of Application No. 09/296,031

Filed: April 21, 1999

For: Diagnosis and Treatment of  
Neuroectodermal Tumors

Examiner: Shin-Lin Chen

Group Art Unit: 1633

TECH CENTER 1600/2900

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**PRELIMINARY AMENDMENT**

Prior to examination, please amend this application as follows:

**In the specification:**

After the title, please substitute the following first paragraph:

--This application is a continued prosecution application of U.S. Application 09/296,031 (filed April 21, 1999) which is a continuation-in-part of U.S. Application 08/774,154 (filed December 26, 1996) now U.S. Patent 5,905,027 which claims the benefit of U.S. Provisional Application 60/009,293 (filed December 27, 1995) all of which are hereby incorporated by reference in their entirety.--

**In the claims:**

Please cancel claims 15-31 without prejudice or disclaimer.

Please add claims 32-49 as follows:

*Sub F2*  
--32. A method of detecting a neuroectodermal tumor in a patient comprising:

(a) adding chlorotoxin to a patient tissue sample; and

(b) measuring the binding of chlorotoxin in the tissue sample wherein the presence of binding is indicative of the presence of the neuroectodermal tumor.

*C 1 Sub D*  
33. The method of claim 32 wherein the neuroectodermal tumor is selected from the group consisting of glioma, meningioma, ~~ependymoma~~, medulloblastoma, neuroblastoma, glioblastoma, ganglioma, pheochromocytoma, melanoma, Ewing's sarcoma, small cell lung carcinoma, peripheral primitive neuroectodermal tumors and metastatic brain tumors.

*19*  
34. The method of claim 32 wherein a high level of binding when compared to normal tissue indicates the presence of the neuroectodermal tumor.

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